Table 1. Inhibitory effects of cranberry extract on biomass and lactic acid production of polymicrobial biofilms

Treatment Group	**Biofilm biomass** (% change) (OD_{570})	**Lactic acid production** (% change) (mM/l)
Cranberry	0.089 ± 0.012 (-38)*	6.2 ± 1.9 (-44)*
Control	0.144 ± 0.022	11.2 ± 3.8

Biomass represents mean crystal violet absorbance values ± standard deviation (SD) at optical density (OD) of 570 nm. Lactic acid production of biofilms is in mM/l (mean ± SD). Data for both assays is obtained from three independent triplicate experiments (n = 9). Values in brackets represent percentage reduction of biofilm biomass/acid production compared to control. * indicates significant difference compared to vehicle control using independent sample-t-test/Mann-Whitney *U*-test at confidence interval of 95%

Table 2. Quantitative analysis of biovolumes of polymicrobial biofilms from confocal images

Treatment Group	EPS biovolume ($\mu m^3/\mu m^2$)	Microbial biovolume ($\mu m^3/\mu m^2$)	Total biofilm biovolume ($\mu m^3/\mu m^2$)	EPS/Microbial ratio
Cranberry	1.14 ± 0.15*	2.05 ± 0.55*	3.19 ± 0.63*	0.59 ± 0.14*
Control	2.64 ± 0.56	3.82 ± 0.73	6.46 ± 1.19	0.70 ± 0.12

Biovolume data was quantified using IMARIS and represents mean values ± SD (n=15) from 3 independent experiments.

* indicates significant difference ($p < 0.05$) in cranberry-treated biofilms compared to control using independent sample t-test.